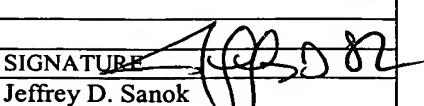


FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (REV 01-2003)		ATTORNEY'S DOCKET NUMBER: <b>095309.55775US</b>
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		<small>U.S. APPLICATION NO. (if known, see 37 CFR 1.5)</small> <b>10/519996</b>
INTERNATIONAL APPLICATION NO. <b>PCT/EP2003/005272</b>	INTERNATIONAL FILING DATE <b>20 May 2003</b>	PRIORITY DATE CLAIMED <b>5 July 2002</b>
TITLE OF INVENTION <b>Method and Arrangement for Purifying Gases Fed to a Fuel Cell by Removing Operational Unfavorable Constituents</b>		
APPLICANT(S) FOR DO/EO/US <b>Dirk SCHROETER</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> has been transmitted by the International Bureau</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached herewith.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 USC 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4))</li> <li>10. <input checked="" type="checkbox"/> An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
Item 11. to 20. below concern other document(s) or information included:		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input checked="" type="checkbox"/> A substitute specification and marked-up copy thereof.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 USC 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 USC 154(d)(4)</li> <li>20. <input checked="" type="checkbox"/> Other items or information:             <ol style="list-style-type: none"> <li>a. International Preliminary Examination Report; and</li> <li>b. International Search Report.</li> </ol> </li> </ol>		

04 JAN 2005

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/519996</b>		INTERNATIONAL APPLICATION NO. PCT/EP2003/005272		ATTORNEY'S DOCKET NUMBER <b>095309.55775US</b>																									
21. The following fees are submitted:																													
CALCULATIONS PTO USE ONLY																													
\$																													
<input checked="" type="checkbox"/> a) Basic national fee..... \$300.00 \$300.00 <input checked="" type="checkbox"/> b) Examination fee..... \$200.00 \$200.00 <input checked="" type="checkbox"/> c) Search fee..... \$500.00 \$500.00																													
<b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b>																													
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																													
<table border="1" style="width: 100%;"> <thead> <tr> <th>Total Sheets</th> <th>Extra sheets</th> <th>Number of each add'l 50 or fraction thereof (round up to a whole number)</th> <th>RATE</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td>x \$250.00</td> <td>\$</td> <td></td> </tr> </tbody> </table>						Total Sheets	Extra sheets	Number of each add'l 50 or fraction thereof (round up to a whole number)	RATE			- 100 =	/50 =		x \$250.00	\$													
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- 100 =	/50 =		x \$250.00	\$																									
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).																													
<table border="1" style="width: 100%;"> <thead> <tr> <th>Claims</th> <th>Number Filed</th> <th>Number Extra</th> <th>Rate</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>24 - 20 =</td> <td>2</td> <td>X \$50.00</td> <td>\$100.00</td> <td></td> </tr> <tr> <td>Independent Claims</td> <td>2 - 3 =</td> <td>0</td> <td>X \$200.00</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$360.00</td> <td>\$</td> <td></td> </tr> </tbody> </table>						Claims	Number Filed	Number Extra	Rate			Total Claims	24 - 20 =	2	X \$50.00	\$100.00		Independent Claims	2 - 3 =	0	X \$200.00	\$		MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$	
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MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$																									
<b>TOTAL OF ABOVE CALCULATIONS = \$230.00</b>																													
<input type="checkbox"/> Applicant claims Small Entity Status. See 37 CFR 1.27. The fees indicated above are reduced by ½.																													
<b>SUBTOTAL = \$1230.00</b>																													
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).																													
<b>TOTAL NATIONAL FEE = \$1230.00</b>																													
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +																													
<b>TOTAL FEE ENCLOSED = \$1230.00</b>																													
<table border="1" style="width: 100%;"> <tr> <td rowspan="2"></td> <td>Amount to be: refunded</td> <td>\$</td> </tr> <tr> <td>Charged</td> <td>\$</td> </tr> </table>							Amount to be: refunded	\$	Charged	\$																			
	Amount to be: refunded	\$																											
	Charged	\$																											
a. <input checked="" type="checkbox"/> A check in the amount of \$1230.00 for the filing fee is enclosed b. <input type="checkbox"/> Please charge my Deposit Account No. <u>05-1323</u> (Attorney Docket No. ==) in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Deposit Account No. <u>05-1323</u> . ( <b>ATTORNEY DOCKET NO. 095309.55775US</b> ) A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING: Information on this form may become public. Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.																													
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.																													
SEND ALL CORRESPONDENCE TO:																													
Crowell & Moring, LLP																													
Intellectual Property Group																													
P.O. Box 14300																													
Washington, D.C. 20044-4300																													
Tel. No. (202) 624-2500																													
Fax No. (202) 628-8844																													
JDS:pct																													
SIGNATURE 																													
Jeffrey D. Sanok																													
NAME																													
32,169																													
REGISTRATION NUMBER																													
January 4, 2005																													
DATE																													

10/51998

PTO Rec'd PTO 04 JAN 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : (To be assigned) Confirmation No. : (To be assigned)  
First Named Inventor : Dirk SCHROETER  
Filed : January 4, 2005  
TC/A.U. : (To be assigned)  
Examiner : (To be assigned)

Docket No. : 095309.55775US  
Customer No. : 23911

Title : Method and Arrangement for Purifying the Gases that are  
to be Fed to a Fuel Cell for Operation by Removing  
Constituents Which are Unfavorable to the Fuel Cell  
Operation

**SUBMISSION OF SUBSTITUTE SPECIFICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached is a Substitute Specification and a marked-up copy of the original specification. I certify that said substitute specification contains no new matter and includes the changes indicated in the marked-up copy of the original specification.

Respectfully submitted,

January 4, 2005

  
Jeffrey D. Sanok  
Registration No. 32,169

CROWELL & MORING LLP  
Intellectual Property Group  
P.O. Box 14300  
Washington, DC 20044-4300  
Telephone No.: (202) 624-2500  
Facsimile No.: (202) 628-8844